



# A new technological challenge

Sustainable development and environmental responsibility

### **Mission**

Entsorga was founded in **1997** to take over the challenge and the opportunities mentioned above and **has developed a number of solutions in waste treatment and alternative fuels production** in order to became a main player in providing technologies for the environmental sector.

### **Drivers and vision**

- The principle of sustainable development has been accepted as a central policy objective of the European Union. The regulations for recycling, recovery and landfill diversion have created a significant market for new waste treatment technologies.
- In the North American market attention to environmental issues, impacts of MSW and attention to technologies related to alternative fuels has been growing substantially in recent years.
- Developing countries are facing the challenge to combine the economic growth with environmental sustainability thus making proper waste management a keystone for sustainable policies. The Kyoto protocol and CDM make subsidies available to finance these efforts.







50 %

Dr.G.Galanzino EntsorgaFin CEO Entsorga Italia CEO Entsorga UK Director T&R CEO

Ing.P.Cella EntsorgaFin CEO Entsorga Italia CEO Entsorga UK Director Mazzariol Srl Board Member Entsorga WV CEO



50 %



### MARKET DEVELOPMENT **PLANT CONSTRUCTION**

100 %

100 %



**Europe and** rest of the world



UK, Turkey, India

### **ALTERNATIVE FUEL PRODUCTION**

100%



16%



(Other shareholders: Chemtex International Ltd; Apple Valley Inc.)

### CO **OFFSETTING**

45,75 %



co2balance Italia Srl

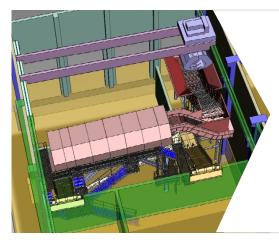
(Other shareholders: Gruppo Catanzaro Srl, David Hooper)

# We are going global

### **AREA OF OPERATIONS**

- Italy, United Kingdom, Greece, Croatia, Slovenja, Bulgaria, Kurdistan, Poland, Romania, Egypt, Morocco India, Australia.
- USA, Canada and China
- Malaysia trough a partnership with Bioessence inc.
- Brazil trough a commercial agreement with Versus Servicos Itda





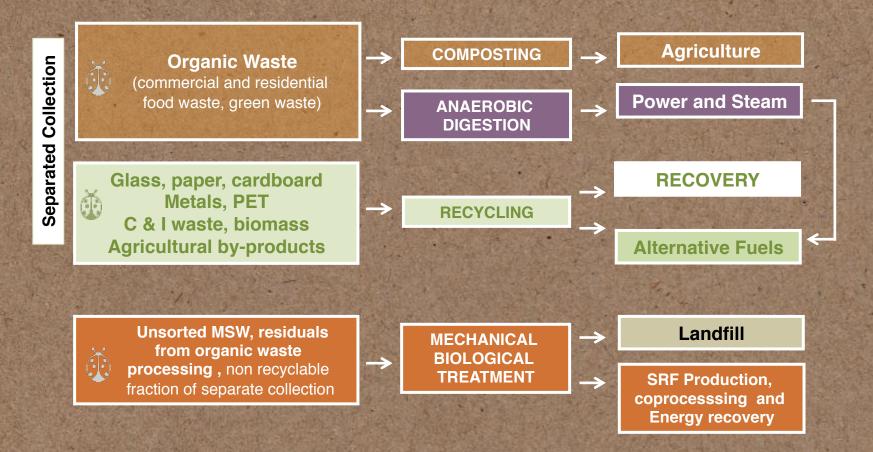
### **REFERENCES**

- More than 80 plants built and in operation for a total capacity of about 5 million tons.
- In the UK the technology makes it possible for our partners to award very important PFI tenders to build plants in Wiltshire and in Derbyshire and the MBT technology has been short listed in most of the biggest PFI schemes. (see also reference list on www.entsorga.it)





# An integrated recovery strategy



In the EU an incoming Circular Economy Policy is setting as targets for 2030:

- a progressive reduction of landfill waste (max 10% of all waste)
- an increase of separate waste collection (from current 36% to 70% of municipal waste)
- Support for **renewable sources** (including biomethane, and other alternative fuels ...)

# Smart solutions, for environment and business



#### **ECONOMIC ADVANTAGES**

#### **ENVIRONMENTAL BENEFITS**

#### **FINANCIALLY VIABLE**

- Low investment costs
- Low maintenance costs and lower mechanical consumption
- Minimum plant downtimes
- Reduced updating costs
- High reliability and less human errors thanks to automatic 24/7 process control and management
- Zero risk of plant closure due to the low environmental impact that reduces the risk of proteste

- Reduction of waste disposed of in landfills
- Maximum recovery efficiency from organic waste and unsorted MSW: recovery of biomass, plastics and other materials
- Minimum impact on the surroundings and improved safety for operators: the processes take place in closed environments to control odors and avoid the operator's exposure to stale air, dust and any polluting agents
- Energy efficient processes
- Real and measurable savings in CO<sub>2</sub>eq emissions
- Production of alternative high quality fuel with high calorific value

- Reliable and verified technologies, backed by twenty-year of project references
- Performance certified by world class independent engineers
- Proven technology solutions that can be financed by commercial lenders

TECHNOLOGIE	ES PORT	ΓFOLIO		
REACTORS		DESCRIPTION	APPLICATION	CAPACITY
BEE™ Fully automated plant with high capacity single reactor		HIGH CAPACITY PLANT, FULLY AUTOMATED. THIS IS THE STATE OF THE ART IN WASTE TREATMENT	<ul> <li>COMPOSTING OF ORGANIC WASTE</li> <li>BIOSTABILIZATION OF MSW</li> <li>BIO-DRYING AND SRF (SOLID RECOVERED FUEL) PRODUCTION</li> </ul>	> 30.000 t/y
COCCINELLE™ Container for small plants and soil remediation		MOVABLE BIO-CONTAINERS SUITABLE FOR ACCELERATED COMPOSTING OF ORGANIC WASTE AND BIOMASSES. REMARKABLE ARE THE LOW ENVIRONMENTAL IMPACT AND THE EASY INSTALLATION.	COMPOSTING OF ORGANIC WASTE     BIOSTABILIZATION OF MSW	0 - 15.000 t/y
TURTLE Q-RING™ Bio-tunnels with breathable perspiring roof	1	THE BREATHABLE ROOF PREVENTS ODOR LEAKS AND GRANTS THE PROCESS PARAMETERS WITHOUT NEEDING DEDICATED BIOFILTERS. THE PROCESS IS FAST: 20 DAYS OF PROCESS TIME FOR BIOSTABILIZATION AND 14 DAYS FOR COMPOSTING.	<ul> <li>COMPOSTING OF ORGANIC WASTE</li> <li>BIOSTABILIZATION OF MSW</li> <li>BIO-DRYING AND SRF (SOLID RECOVERED FUEL) PRODUCTION</li> </ul>	> 10.000 t/y
BAT Q-RING™ Mobile plants with breathable cover		MOVABLE PLANT WITH BREATHABLE COVERS AND AIR BLOWERS THAT MAKE IT POSSIBLE A VERY INEXPENSIVE BIOSTABILIZATION AND BIODRYING OF THE MSW. IDEAL IN LOW BUDGET PROJECTS, INTERIM PROJECTS, BIO-REMEDIATION.	BIOSTABILIZATION OF MSW     BIO-DRYING AND SRF (SOLID RECOVERED FUEL) PRODUCTION	N.A.
<b>Q-Ring™</b> Breathable fabrics		IT IS THE ENTRY LEVEL PRODUCT, SUITABLE FOR INTERIM SOLUTION AND FOR THE COUNTRIES WILLING TO IMPLEMENT A FIRST STEP TOWARD MODERN WASTE MANAGEMENT.	<ul> <li>BIOSTABILIZATION OF MSW</li> <li>BIO-DRYING AND SRF (SOLID RECOVERED FUEL) PRODUCTION</li> <li>COMPOST CURING</li> </ul>	0 - 100.000 t/y
SCRABBLE ™ Bio-tunnels in concrete with biofilters		BIO-TUNNELS MADE UP IN CONCRETE FOR THE ACCELERATED FERMENTATION OF THE BIOMASSES.	<ul> <li>COMPOSTING OF ORGANIC WASTE</li> <li>BIOSTABILIZATION OF MSW</li> <li>BIO-DRYING AND SRF (SOLID RECOVERED FUEL) PRODUCTION</li> </ul>	0 - 30.000 t/y
Cow™ Anaerobic digestion wet and semi dry	A Section	WASTE AND BIOMASSES AND CROPS TREATMENT WITH PRODUCTION OF BIOGAS CONVERTIBLE IN ELECTRIC POWER AND/OR BIO METHANE.	PLANT FOR ANAEROBIC DIGESTION OF ORGANIC WASTE AND SEWAGE SLUDGE AND BIOMASSES.	> 30.000 t/y
Ower and TM			~	

Swallow™ Pre treatment



WASTE AND BIOMASSES PRETREATMENT

MBT TREATMENT PLANTS FOR THE MSW PRE TREATMENT

### TECHNOLOGIES PORTFOLIO

#### MECHANICAL TREATMENT & EQUIPMENT

SPIDER™ **Fully** automated cranes



#### DESCRIPTION

BULK MATERIAL HANDLING SYSTEM CHARACTERIZED BY THE FOLLOWING FEATURES:

- HIGH EFFICIENCY, CAPACITY, VELOCITY.
- COMPLETELY AUTOMATED GREAT VALUE FOR MONEY

**AUTOMATED CRANE FOR BULK** MATERIAL HANDLING AND STORAGE. SUITABLE FOR WASTE, TIRES AND BIOMASSES.

APPLICATION

N.A.

Prometheus™ Solid Recovered Fuel refining system



MECHANICAL TREATMENT LINE FULLY AUTOMATED TO MECHANICAL REFINEMENT FOR REFINE SOLID RECOVERED FUEL DERIVING FROM PRODUCTION OF SOLID RECOVERED VARIOUS TYPES OF WASTE (BIO-DRIED WASTE, TIRES, FUEL (SRF), PRE ENGINEERED FUEL 35-70 t/h

COMMERCIAL AND INDUSTRIAL WASTE, BIOMASSES). THIS LINE IS THE IDEAL COMPLEMENT AFTER ANY OF THE ENTSORGA BIODRYING TECHNOLOGIES.

(PEF) AND ALTERNATIVE FUEL (AF)

CAPACITY

Pelican<sup>™</sup>

Feeding line of Solid Recovered Fuel to cement kilns



THE PLANT IS MADE UP OF A DOCKING STATION, FEEDING LINE, DOSING SYSTEM AND PNEUMATIC TRANSPORT. THE PLANT IS CONCEIVED TO DOSE AND FEED ALTERNATIVE FUELS TO CEMENT KILNS.

FEEDING LINE OF SOLID RECOVERED FUEL TO CEMENT KILNS.

7-15 t/h

FALCON™

NIR optical sorter for plastic sorting and recycling



THE MACHINERY IS BASED ON OPTICAL SPECTROGRAPH NIR (NEAR INFRA RED). IT IS DESIGNED TO SORT DIFFERENT QUALITIES OF PLASTIC, CARDS AND CARDBOARD AND IN PARTICULAR TO REMOVE PVC FROM ALTERNATIVE SOLID FUELS

PLASTIC SORTING FOR RECYCLING REMOVAL OF PVC FROM SRF

8 t/h

PRE-TREATMENT Biomass pretreatment and feeding



ENTSORGA SUCCESSFULLY SUPPLIED THE BIOMASSES PRETREATMENT AND FEEDING LINE TO THE ONLY FULL SCALE PLANT IN THE WORLD PRODUCING CELLULOSIC BIOETHANOL.

BIOMASS PRE CONDITIONING DOSING AND FEEDING FOR SECOND GENERATION BIOETHANOL PLANT.

METHANE CLEANING FROM BIOGAS

AT LOW METHANE CONCENTRATION

25 t/h

CAPACITY

AIR EMISSION CLEANING

GECO<sub>2</sub>™ Methane cleaning system from landfill biogas



#### DESCRIPTION

DEVICE TO CLEAN METHANE FROM LANDFILL BIOGAS. METHANE IS 21 TIMES MORE POLLUTANT THAN CARBON DIOXIDE IN TERMS OF GREEN HOUSE POTENTIAL. THIS SYSTEM IS USED TO CLEAN THE BIOGAS WHEN THE CONCENTRATION OF METHANE IS TOO LOW TO HAVE IT RECOVERED FOR POWER PRODUCTION OR COMBUSTED BY TORCH.

**APPLICATION** 

650-1.500 t OF CO<sub>2</sub> **EQUIVALENT (EACH** MODULE)

**BIOFILTER** Odour cleaning



BIOLOGICAL SYSTEM TO TREAT THE ODOR EMISSION FROM WASTE TREATMENT PLANTS AND WATER CLEANING PLANTS. THE NATURAL HETEROGENEOUS MICROBIAL POPULATION IN THE FILTER TAKES CARE OF "EATING" THE ODOR COMPOUNDS AND RELEASES INTO THE ATMOSPHERE ONLY WATER VAPOR AND CARBON DIOXIDE AS BY PRODUCTS OF THEIR METABOLIC ACTIVITY.

BIOLOGICAL SYSTEMS FOR THE ODORS EMISSIONS ABATEMENT

NO LIMIT IN AIR CAPACITY **ABATEMENT EFFICIENCY UP TO** 99.9%



**COMPOSTING and ANAEROBIC DIGESTION** 

Territorio e Risorse Srl - Santhià, Italy

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Plant throughput	50.000 t/a tpa of OFMSW
Carbon dioxide diversion	22,500 tpa
Final output	High quality compost: up to 10,000 tpa Biogas: up to 4,500.000 m³/y form which we can obtain up to 2.750.000 m³/y of <b>Bio-methane</b> to be put into the net SRF from residual plastics: up to 3,000 tpa
Start up	Composting: November 2009 Anaerobic Digestion: from 2019-2020
Inhabitants served	Up to 730.000
Staff	9



THE PLANT PRODUCES **QUALITY COMPOST** STARTING FROM ORGANIC **KITCHEN WASTE** AND REPRESENTS THE STATE OF THE ART OF THE WASTE RECOVERY ENTSORGA PROPRIETARY TECHNOLOGIES.

RECENTLY PERMITTED TO **DOUBLE THE CAPACITY**, IT WILL ALSO PRODUCE BIOGAS BY USING **ANAEROBIC DIGESTION** AND THEN **BIOMETHANE FOR NATURAL GAS NETWORK**. THE SYNERGY OF THESE TWO TREATMENT SOLUTIONS LIMITS FURTHER THE ENVIRONMENTAL IMPACTS AND OPTIMIZES THE MANAGEMENT AND WASTE RECOVERY PROCESSES.



### **COMPOSTING**

# La Città Verde – Crevalcore - Italy

Capacity 15.000 t/a

Treated waste Commercial and residential organic waste

Final Output Up to 4,000 tpa of high quality compost

Start up 2016

Plant type Composting



WITH THE TURTLE™ BIOCELLS SYSTEM, ENTSORGA ENABLED THE COMMUNITY OF GALDA DE JOS AND THE PROVINCE OF ALBA JULIA TO MANAGE MORE EFFICIENTLY MUNICIPAL SOLID WASTE BY PREPROCESSING MSW PRIOR TO LANDFILLING. THIS SUBSTANTIALLY IMPROVED THE ENVIRONMENTAL IMPACT OF THE DISPOSAL SYSTEM BY REDUCING VOLUMES LANDFILLED, LEACHATE PRODUCED AND RELEVANT GREENHOUSE GASES EMISSIONS.



The Simbio plant - Celje, Slovenja

**Capacity** 62.000 tpa MSWr

15.000 tpa Organic waste

Treated waste MSWr

Selected Organic waste, recyclable matrices from separated

collect

Final Output 31.460 tpa SRF

Lower Heating Value (LHV) SRF: 17 MJ/kg Compost: approx.

8.900 tpa used in agriculture

Start up September 2008

Population Served

250.000 (including 24-municipalities of the "Savinjska" Region)

Employees 12



THE INTRODUCTION OF THE ENTSORGA MECHANICAL AND BIOLOGICAL TREATMENT METHOD ALLOWED THE MUNICIPALITY OF CELJE (SL) TO SUBSTANTIALLY DECREASE THE QUANTITY OF MUNICIPAL SOLID WASTE SENT IN LANDFILL AND TO OBTAIN A RENEWABLE FUEL TO PRODUCE ELECTRICITY AND HEAT THAT SUPPORTS 60% OF THE ENERGY NEEDS OF THE CITY.



**DECO SpA** - Chieti, Italy

Capacity 300.000 tpa of unsorted Municipal Solid Waste

**Unsorted Municipal Solid Waste Treated waste** 

**Final Output** 135.000 tpa of SRF

Start up November 2009

**Population** served

1.000.000

**Employees** 25



ONE OF THE LARGEST AND MOST INNOVATIVE BIOSTABILIZATION PLANT IN EUROPE, THANKS TO ITS FLEXIBILITY IT CAN TRANSFORM LARGE VOLUMES OF MUNICIPAL SOLID WASTE INTO SOLID RECOVERED FUEL (SRF) FOR VARIOUS USES, FROM CEMENT KILNS TO DEDICATED POWER GENERATION PLANTS.



Northacre RRC - Wiltshire, UK

Capacity 80.000 tpa

Treated waste Unsorted Municipal Solid Waste

• SRF: 28.000 tpa

· Stabilized residual for landfilling: 16.800 tpa

• Metals: 660 t/a

Start up October 2013

Served basin 400.000 approx. inhabitants

Staff 16



THE WESTBURY MECHANICAL BIOLOGICAL TREATMENT PLANT (MBT) IS THE KEYSTONE OF THE WILTSHIRE ENVIRONMENTAL STRATEGY. THANKS TO THIS SOLUTION, **THE COUNTRY CAN FULFILL THE NATIONAL AND EUROPEAN OBJECTIVES OF LANDFILLING REDUCTION**, ENSURING IN THIS WAY YEARLY **3 MILION POUNDS SAVING**.

IN ADDITION, THE PRODUCT OBTAINED FROM THE TREATMENT, A **HIGH QUALITY SOLID RECOVERY FUEL**, IS USED TO PRODUCE **ENERGY AND HEAT**, ENSURING THE ENVIRONMENT AN ADDITIONAL SAVING **IN TERMS OF CO<sub>2</sub> EMISSIONS**.





Resource Recovery Solutions - Derby, UK

Capacity 190.000 tpa of MSW

Treated waste Residual MSW after source separation

Final Output Solid recovered fuel

Start up January 2017

Population Served

630.000

THE PROJECT IS PART OF **ONE OF THE LARGEST RECENT PROJECT FINANCE DEALS IN THE WASTE SECTOR IN THE UNITED KINGDOM**, THE ENTSORGA SYSTEM ALLOWS TRANSFORMING MUNICIPAL SOLID WASTE IN A **HIGH QUALITY HIGH BIOGENIC VALUE ALTERNATIVE FUEL** USED BY A COLOCATED DOWNSTREAM GASIFICATION UNIT.

THE PROJECT IS THE FIRST COMMERCIAL SCALE PLANT THAT INTEGRATES A MECHANICAL AND BIOLOGICAL TREATMENT WITH THE USE OF THE HIGH BIOGENIC ALTERNATIVE FUEL PRODUCED IN AN ADVANCED GASIFICASATION TO POWER UNIT.







Entsorga West Virginia- Martinsburg, USA

Capacity 80.000 t/y Municipal Solid Waste

35.000 t/y Commercial and industrial Waste

Treated waste Unsorted Municipal Solid Waste

Final Output SRF: 55,000 t/y

Stabilized residual for landfilling: 8,000 t/y

Recyclable Metals: 5,500 t/y

Start up March 2019

Population Served

400.000



THIS PROJECT REPRESENTS AN IMPORTANT MILESTONES FOR ENTSORGA, WHICH CONCLUDES A LONG PATH OF RESEARCH STARTED 15 YEARS AGO TO FIND A **SAFE**, **SUSTAINABLE AND CLEAN ALTERNATIVE TO LANDFILL DISPOSAL**, AND THE FIRST ENTSORGA FACILITY IN NORTH AMERICA.





# **SRF PRODUCTION**

# Suez Cement - Egypt

PLANT TYPE Alternative fuels refining line

**WASTE** Rifiuto Solido Urbano (RSU)

TREATED

FINAL RDF

**PRODUCT** 

START UP 2014



SENSITIVE IN THE FIELD OF SAFETY AND ENVIRONMENTAL POLICIES, **SUEZ CEMENT** HAS TAKEN VARIOUS ACTIONS TO REDUCE ITS CARBON DIOXIDE EMISSIONS USING ALTERNATIVE FUELS OBTAINED FROM WASTE.

TO MAXIMIZE THE QUALITY OF THE ALTERNATIVE FUEL USED IN THE ITS KATTAMEYA PLANT, SUEZ CEMENT HAS INSTALLED A **MECHANICAL REFINING SYSTEM** OF THE **PROMETHEUS™ LINE**, A HIGHLY EFFICIENT SOLUTION THAT GUARANTEES FUEL WITH **HIGH CALORIFIC POWER** AND **LOW ENVIRONMENTAL IMPACT**.



## **MBT BIOSTABILIZATION**

## Galda de Jos - Alba Julia - Romania

/	Capacity	85.000 tpa of Unsorted Municipal Solid Waste
	Treated waste	Unsorted Municipal Solid Waste
_	Final Output	35.000 tpa of Compost Like Output (CLO) sent to landfill
	Start up	2018
	Population	200.000
	Employees	6



WITH THE TURTLE™ BIOCELLS SYSTEM, ENTSORGA ENABLED THE COMMUNITY OF GALDA DE JOS AND THE PROVINCE OF ALBA JULIA TO MANAGE MORE EFFICIENTLY MUNICIPAL SOLID WASTE BY PREPROCESSING MSW PRIOR TO LANDFILLING. THIS SUBSTANTIALLY IMPROVED THE ENVIRONMENTAL IMPACT OF THE DISPOSAL SYSTEM BY REDUCING VOLUMES LANDFILLED, LEACHATE PRODUCED AND RELEVANT GREENHOUSE GASES EMISSIONS.



### **MBT BIOSTABILIZATION**

# Belvedere - Peccioli - Italy

Capacity	90,000 Tpa MSW
Treated waste	Unsorted Municiapl Solid Waste
Final Output	60,000 t / a with respirometric index (RI) <1000
Start up	August 2015
Population	300.000
Employees	6



THE "PUBLIC COMPANY" BELVEDERE S.p.A. HAS ENTSORGA AS SUPPLIER OF CHOICE TO DELIVER AN BIODRYING SYSTEM TO STABILIZE UNSORTED MUNICIPAL SOLID WASTE AND SUBSTANTIALLY REDUCE ITS CARBON FOOTPRINT.

THE SYSTEM IS PARTICULARLY WELL SUITED TO ADDRESS NEEDS OF COMMUNITIES LOOKING TO IMPLEMENT QUICK AND EFFICIENT SOLUTIONS TO PREPROCESS UNSORTED MSW BEFORE DISPOSAL, AS REQUIRED BY THE CURRENT EUROPEAN REGULATIONS



### **MBT BIOSTABILIZATION**

**Tehnimarket - Maramures - Romania** 

Capacity 112,000 tpa of MSW

Treated waste Unsorted MSW

Final Output 44,000 tpa of compost like output

Start up Successful test run in 2017

Population 330,000

**Employees** 6



BY PROVIDING A **BIOCELLE TURTLE™ SYSTEM**, ENTSORGA IS HELPING THE COMMUNITY IN THE MARAMURES DISTRICT **TO STABILIZE THE UNSORTED SOLID WASTE**, REDUCE ITS VOLUME AND PRODUCE A **COMPOST LIKE OUTPUT** SUITABLE FOR A SAFER LOWER IMPACT DISPOSAL.

A HIGH ENVIRONMENTAL COMPATIBILITY SOLUTION THAT EFFECTIVELY REDUCES THE GREENHOUSE GAS EMISSIONS AND THE PRODUCTION OF LEACHATE.



**BIOSTABILIZATION** 

P.G.K.M.I.Sp.Z.o.o. - Inowroclaw, Poland

Yearly **Throughput** 

20.000 TPA MSW

Waste processed Unsorted Municipal Solid Waste

**Final Output** 

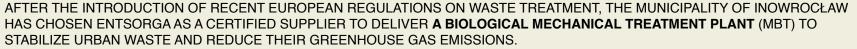
60.000 t/y

Start up

May 2014

**Population** Served

10.000



TODAY THE PLANT, MADE WITH ENTSORGA'S SCRABBLE™ TECHNOLOGY AND A BIOFILTER, IS ONE OF THE MOST ADVANCED IN POLAND.



### ANAEROBIC DIGESTION SEMI DRY

### Mostostal Warszawa SA - Biala Podlaska - Poland

Capacity 20.000 t/y of MSW

10.000 t/y of Food Waste from separated collection

**Products** Heat and Power (from CHP)

Compost and/or CLO (Compost Like Output)

Alternative Fuel (RDF or SRF)

Start up May 2014

**People** 100.000 equivalent population c.a



THE PLANT APPLIES THE MOST INNOVATIVE GREEN TECHNOLOGIES ON THE MARKET TO RECYCLE MATERIAL AND PRODUCE RENEWABLE ENERGY FROM WASTE, PROCESSING ORGANIC WASTE WITH AN INTEGRATED ANAEROBIC, BIOSTABILIZATION/BIODRYING AND MECHANICAL TREATMENT SYSTEM.

ENTSORGA HAS AWARDED WITH AN AEROBIC PROCESSING LINE TO FURTHER STABILIZED DIGESTATE. THE LINE INCLUDES A SYSTEM OF 3 SCARABEO™ BIOCELLS AND A BIOFILTER. A SOLUTION PROVIDING OBVIOUS ENVIRONMENTAL ADVANTAGES, AND THAT ALLOWED THE TOWN OF BIAŁA PODLASKA TO LOWER THE COSTS OF WASTE COLLECTION AND DISPOSAL.



## **ANAEROBIC DIGESTION WET**

# Acea Pinerolese - Pinerolo - Italy

Capacity 90.000 t/y

(total yearly processing capacity of organic waste)

Treated waste Source separated organic waste

Final Output Biogas to steam and power: 10.241.500 Nm3/y (in 2015)

**Start up** 2002-2003

**Population** Up to 800,000

**Served** (total waste shed served)

**Employees** 23 (including AD and composting)



FIRST OF ITS KIND IN ALL SOUTHERN EUROPE FOR THE COMPLEXITY OF THE SYSTEM AND THE WIDE RANGE OF TECHNOLOGIES EMPLOYED, THE POLO ECOLOGICO INTEGRATO PLANT BUILT BY ACEA REPRESENTS A **COMPLETE AND INTEGRATED SOLUTION** TO THE PROBLEM OF DISPOSAL OF ORGANIC WASTE FROM THE PROVINCE OF TURIN.

THE ANAEROBIC TREATMENT PLANT PROCESSING SOURCE SPARATED FOOD WASTE USES A PATENTED AND INNOVATIVE SYSTEM, THE FLORAWIVA MORE™ AND COW, AN ENTSORGA'S PROPRIETARY SOLUTION.



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